Index of Claims



Application/Control No.

09/686,628

HINKER, PAUL J.

Reexamination

Applicant(s)/Patent under

Examiner

Art Unit

Ted T. Vo

2191

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N ı Interference

Appeal Α 0 Objected

| Cla            | aim      | Date     |                 |                                                  |                 |          |          | Claim  |      |       | Date     |                                                  |          |                | Cla             | aim  | Date        |          |               |                 |          |          |          |          |                     |
|----------------|----------|----------|-----------------|--------------------------------------------------|-----------------|----------|----------|--------|------|-------|----------|--------------------------------------------------|----------|----------------|-----------------|------|-------------|----------|---------------|-----------------|----------|----------|----------|----------|---------------------|
|                |          | 7        |                 |                                                  |                 |          | Т        |        | ]    |       |          |                                                  |          | T              |                 |      |             |          |               | Ι'''            |          |          |          | $\top$   | $\top$              |
| Final          | Original | 10/26/07 |                 |                                                  |                 |          |          |        |      | Final | Original |                                                  |          |                |                 |      | Final       | Original |               |                 |          |          |          |          |                     |
| i≣             | Ę        | 8        |                 |                                                  |                 |          |          |        |      | ίΞ    | <u>E</u> |                                                  | + 1      |                |                 |      | ᇤ           | rig      |               |                 | l        |          |          | -        |                     |
|                | 0        | _        |                 | ĺ                                                |                 |          |          | -      |      |       | ١٥       |                                                  |          |                |                 |      |             | 0        | - 1           | İ .             |          |          |          |          |                     |
|                | 1        | -        |                 |                                                  | П               |          |          |        |      |       | 51       |                                                  |          |                |                 |      |             | 101      |               |                 |          | П        |          | $\dashv$ | $\top$              |
| -              | 1        | -        |                 |                                                  |                 |          | T        |        | 1    |       | 52       |                                                  |          |                | $\neg \neg$     |      |             | 102      | _             | $\vdash$        | Т        | Н        | 寸        | _        | +                   |
| 1              | 3        | =        |                 |                                                  | П               |          |          |        | 1 :: |       | 53       |                                                  |          |                | $\dashv$        |      |             | 103      | $\neg \vdash$ | T               | $\vdash$ | Н        | _        | $\dashv$ | +                   |
| 2              | 4        | =        |                 | Т                                                | П               |          |          |        |      |       | 54       |                                                  |          |                | $\dashv \dashv$ |      |             | 104      | +             | T               | t        | Н        | $\dashv$ | $\dashv$ | +                   |
| -              | 5        | -        |                 |                                                  | П               |          |          |        |      |       | 55       |                                                  | 101      |                | $\dashv$        |      |             | 105      | $\dashv$      | T               |          | H        | 十        | ┰        | +                   |
| -              | 6        | -        |                 | 1                                                | П               |          |          |        |      |       | 56       |                                                  | $\neg$   | 11             | $\dashv \dashv$ |      |             | 106      |               | <del> </del>    | $\vdash$ | H        | 十        | +        | +                   |
|                | 7        | -        |                 | Т                                                | $\Box$          |          |          |        |      |       | 57       |                                                  |          | 11             |                 |      |             | 107      | $\neg$        | 1               | $\vdash$ | H        | $\dashv$ | $\dashv$ | $\dashv \dashv$     |
| -              | В        | -        |                 | Т                                                |                 |          |          |        |      |       | 58       |                                                  | 11       |                | $\top$          |      |             | 108      | _             |                 |          |          | $\dashv$ | -        | +                   |
| -              | <b>b</b> | -        |                 |                                                  |                 |          |          |        | 1    |       | 59       |                                                  | $\top$   |                | $\dashv \dashv$ |      |             | 109      |               | 1               | ┢        | Н        | _        | +        | +                   |
| _              | 1D       | -        |                 |                                                  |                 |          |          | 十一     |      |       | 60       |                                                  | +        | +              | $\dashv \dashv$ |      |             | 110      |               | $\vdash$        | $\vdash$ | Н        | $\dashv$ | +        | +                   |
| -              | 1        | -        |                 |                                                  |                 | $\neg$   |          | 1      |      |       | 61       |                                                  |          |                | $\dashv \dashv$ |      |             | 111      | _             | $\vdash$        |          | $\vdash$ | $\dashv$ | -        | +                   |
| -              | 12       | -        |                 | Г                                                |                 | $\Box$   | $\top$   | $\top$ |      |       | 62       |                                                  | $\dashv$ | +              | $\dashv$        |      |             | 112      | -             |                 | $\vdash$ | $\vdash$ | $\dashv$ | +        | ┽┤                  |
| 10             | 13       | =        |                 | T                                                | ·               | $\Box$   |          | $\top$ |      |       | 63       |                                                  | ++       |                | $\dashv \dashv$ |      |             | 113      | $\vdash$      | H               | 1        | $\vdash$ | $\dashv$ | +        | +                   |
| 11             | 14       | =        |                 | † <u> </u>                                       | $\Box$          | $\Box$   | 1        | 1      |      |       | 64       |                                                  | +        | +              | $\dashv$        |      |             | 114      | -             | H               |          | $\vdash$ | $\dashv$ | +        | +                   |
|                | 45       | -        |                 | $\Box$                                           | $\Box$          |          |          |        |      |       | 65       |                                                  | +        | ++             | $\dashv$        | ा    |             | 115      |               | Н               | $\vdash$ | H        | $\dashv$ | $\dashv$ | +                   |
| 19             | 16       | =        |                 | 一                                                | Ħ               |          | $\top$   | $\top$ |      |       | 66       |                                                  | 1. 1     | 11             |                 |      |             | 116      | _             | $\vdash$        | $\vdash$ | H        | $\dashv$ | +        | +                   |
| -              | 17       | -        |                 | İ                                                | $\Box$          |          |          | $\top$ | 100  |       | 67       |                                                  | $\dashv$ | 11             | $\dashv$        |      | $\neg \neg$ | 117      |               | H               | -        | $\vdash$ |          | +        | +                   |
| _              | 1Β       | -        |                 | T                                                | П               |          | +        | +      |      |       | 68       |                                                  | 11       |                | $\dashv \dashv$ |      |             | 118      | $\dashv$      | +               | $\vdash$ | $\vdash$ | _        | +        | ╁┼                  |
|                | 19       | -        |                 | t                                                |                 |          |          | _      |      |       | 69       |                                                  | +++      | ++             | $\dashv$        |      |             | 119      | -             | $\vdash$        | _        | $\vdash$ | $\dashv$ | +        | ┿                   |
| -              | 20       | 1        |                 | $\vdash$                                         | H               | _        |          |        |      |       | 70       |                                                  | +++      |                | $\dashv$        |      |             | 120      |               | $\vdash$        |          | $\dashv$ | $\dashv$ | +        | +                   |
| 3              | 21       | =        |                 |                                                  | $\Box$          |          |          | _      |      |       | 71       | <del>-   -   -  </del> -                         | $\pm$    | -              | +               |      | -           | 121      |               | $\vdash$        |          | $\dashv$ | $\dashv$ | +        | +                   |
| 4              | 22       | =        |                 |                                                  | H               | $\dashv$ | _        | +      |      |       | 72       | <del>-                                    </del> | +        |                | $\dashv \dashv$ |      |             | 122      |               | Н               | Н        | $\dashv$ | +        | -+-      | +                   |
| 5              | 23       | =        |                 | ╁                                                | Н               |          | $^+$     | +      |      |       | 73       |                                                  | 1 1      |                | $\dashv \dashv$ |      |             | 123      | +-            | $\vdash$        |          | $\dashv$ | -        | +        | +                   |
| 6              | 24       | =        | <del></del>     | ┢                                                | H               | $\dashv$ | $\top$   | +      |      |       | 74       |                                                  | +        | ++             | $\dashv\dashv$  |      |             | 124      | _             | Н               | _        | H        | -        | +        | +                   |
| 7              | 25       | =        |                 | <del>                                     </del> |                 |          | $\pm$    | +      |      |       | 75       |                                                  | +        | ++             | +               |      |             | 125      | -             | $\vdash$        |          | 1        | $\dashv$ | +        | +                   |
| 8              | 26       | =        |                 | ┰                                                | $\vdash$        | $\dashv$ | $\dashv$ | +      |      |       | 76       |                                                  | ++       | <del>-  </del> | $\dashv \dashv$ |      |             | 126      | +-            | $\vdash$        |          | $\vdash$ | $\dashv$ | $\dashv$ | +                   |
| 9              | 27       | Ī        |                 | t                                                | H               | $\dashv$ | $\dashv$ |        |      |       | 77       | <del>-1    </del>                                | +        | ++             | $\dashv \dashv$ |      | -           | 127      |               | Н               |          | -        | -+       | +        | +                   |
| 12             | 28       | =        |                 | H                                                | $\vdash$        | 一        |          | +      |      |       | 78       |                                                  | ++       | +-             | +               |      |             | 128      |               | Н               | $\vdash$ | $\dashv$ | +        | ┰        | ╁                   |
| 13             | 29       | =        | -               | <del>                                     </del> | Н               | $\dashv$ |          | +      |      |       | 79       |                                                  | +        | +              | $\dashv \dashv$ |      | -           | 129      | +             | $\vdash$        | _        | $\dashv$ | -+       | +        | ┿┤                  |
| 14             | 30       | =        | -               | Ť                                                | H               | $\dashv$ | $\dashv$ | +      |      |       | 80       | <del></del>                                      |          |                | $\dashv\dashv$  |      | -           | 130      | ┰             | $\vdash$        | -        | $\dashv$ | -+       | +        | +                   |
| 15             | 31       | =        |                 | <del>                                     </del> | H               | $\dashv$ | +        | +      |      |       | 81       | <del>         </del>                             | +        |                | $\dashv \dashv$ |      | -+          | 131      | $\dashv$      | ╁               | -        | $\dashv$ | -+       | +        | +                   |
| 16             | 32       | =        |                 | ┢                                                |                 | $\dashv$ |          | +      |      |       | 82       | <del>-      </del>                               |          | +-             | +               | ::   |             | 132      |               | $\vdash$        | $\dashv$ | -        | +        | -        | +                   |
| 17             | 33       | =        |                 | <del> </del>                                     | H               | $\dashv$ |          | +-     |      |       | 83       |                                                  | ++       | +              | $\dashv\dashv$  | : }  | -           | 133      | +             | $\vdash$        | $\vdash$ |          | +        | +        | +                   |
| 18             | 34       | =        |                 | <del>                                     </del> | $\vdash$        | $\dashv$ | _        | +-     |      |       | 84       | <del></del>                                      | ╅        | +              | $\dashv \dashv$ | ं    |             | 134      | +             | -               | -        |          | +        | +        | +                   |
| 20             | 35       | =        |                 | $\vdash$                                         | $\vdash \vdash$ | -+       | $\dashv$ | +      |      |       | 85       | +++                                              | ++       | ++             | $\dashv$        |      |             | 135      |               | $\vdash$        | -        | $\dashv$ | +        | +        | +                   |
| 21             | 36       | =        |                 | $\vdash$                                         |                 | +        | $\dashv$ | +      |      |       | 86       | <del>-   -   -  </del>                           | ++       | +-             | $\dashv \dashv$ | ंि   |             | 136      | -             | ⊢               | -        | $\dashv$ | $\dashv$ | +        | ┿┦                  |
| 22             | 37       | =        |                 | $\vdash$                                         | $\vdash$        | $\dashv$ | +        | +      |      |       | 87       | <del>-     -  </del> -                           | +        | +              | ++              | : I  |             | 137      |               | $\vdash$        | $\vdash$ | $\dashv$ | +        | -+-      | +                   |
| 23             | 38       | =        | $\vdash$        | ╁                                                | ┢               | $\dashv$ | +        | +      |      |       | 88       |                                                  | ++       | ++             | $\dashv$        | :    |             | 138      |               | $\vdash$        |          | $\dashv$ | $\dashv$ | +        | $+\!\!\!-\!\!\!\!+$ |
| 24             | 39       | =        |                 | <del> </del>                                     | $\vdash$        | $\dashv$ | +        | +      |      |       | 89       | <del>       </del>                               | ++       | +              | +               | ंी   |             | 139      | +             | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | +        | +                   |
| 25             | 40       | =        | $\vdash$        | $\vdash$                                         | $\vdash$        | $\dashv$ | $\dashv$ | +      |      | —     | 90       | <del>   - -</del>                                | +        | +-             | +               | :    |             | 140      |               | $\vdash$        | $\vdash$ | $\dashv$ | +        | +        | +                   |
| 26             | 41       | ▐▔       | $\vdash \vdash$ | ╁                                                | $\vdash \vdash$ | +        |          | +-     |      |       | 91       | <del>-      </del>                               | ++       | ++             | $\dashv$        | :    |             | 141      |               | $\vdash$        | $\dashv$ | $\dashv$ | +        | +        | $+\!\!-\!\!\!+$     |
| 27             | 42       | =        |                 | $\vdash$                                         | $\vdash$        | $\dashv$ | $\dashv$ | +      |      |       | 92       | <del></del>                                      | ++       | ++             | +               | :::} |             | 142      |               | $\vdash \vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | +        | +                   |
| <del>-</del> - | 43       | Ē        |                 | <u> </u>                                         | $\vdash$        | $\dashv$ | +-       | +-     |      |       | 93       | <del>-   -   -  </del>                           | ++       | ++             | $\dashv$        | ::   | -           | 143      |               | $\vdash \vdash$ | -        | $\dashv$ | +        | +        | $+\!\!-\!\!\!\!+$   |
| <b>-</b>       | 44       | $\vdash$ | $\vdash$        | ╁                                                | $\vdash$        | +        | -+       | +      |      |       | 94       | <del>-      </del>                               | +        | ++             | 44              | · }  |             |          |               | ┞┤              | $\dashv$ | $\dashv$ | +        | +        | $\dashv\dashv$      |
|                | 45       | -        | $\vdash\vdash$  | ┢                                                | ┝╼┤             | -+       | +        | +      |      |       | 95       | <del>-   -   -  </del>                           | ++       | +              | $\dashv$        | · }  |             | 144      |               | H               |          |          | +        | +        | 4-1                 |
| <b>—</b>       | 46       | ├        | <del></del>     | $\vdash$                                         | $\vdash \vdash$ | $\dashv$ | +        | -      |      |       | 96       | <del>-   -   -  </del>                           | ++       | +              | +               | - 1  |             | 145      | $\dashv$      | ⊢∤              | $\dashv$ | $\dashv$ | +        | +        | 44                  |
| -              | 47       |          | $\vdash\vdash$  | $\vdash$                                         | $\vdash \vdash$ | $\dashv$ | $\dashv$ | +-     | : :  |       | 97       | <del>-   -   -  </del>                           | ++       | +-             | +               |      |             | 146      | -             | ┞─┤             |          | $\dashv$ | $\dashv$ | +        | $\dashv$            |
| $\vdash$       | 48       | -        |                 | $\vdash$                                         | $\vdash\vdash$  | $\dashv$ | +        | +-     |      |       | 98       | <del>-   -   -  </del>                           | ++       | +-             | +               | -  - |             | 147      | -             |                 |          | $\dashv$ | $\dashv$ | +        | +                   |
| <u> </u>       | 49       |          |                 | $\vdash$                                         | $\vdash \vdash$ | $\dashv$ | +        | +      |      |       | 99       |                                                  | ++       | ++-            |                 | ::   |             | 148      |               |                 | _        | $\dashv$ | $\dashv$ | +        | +                   |
| <b>—</b>       | 50       |          |                 | ⊢                                                | $\vdash$        | $\dashv$ | -        |        |      |       |          | <del></del>                                      | +        | +              | +               | 1    |             | 149      |               | $\sqcup$        | _        | 4        | 4        | +        | $\bot$              |
| L              | 1 20     |          |                 | <u> Ц</u>                                        | ᄔ               |          |          |        | J∷l  |       | 100      |                                                  |          |                |                 | :::L | 1           | 150      |               | 1               |          | - 1      | - 1      | - 1      | 1 1                 |